Performance Data Sheet

AJE4461YHZ

General Information

Model	AJE4461YHZ	**Refrigerant**	R-134a
Test Condition	Tecumseh Europe	**Performance Test Voltage**	220V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1480	1250	1020	799
	Watts (Power)	580	602	625	648
	Amps	3.94	4.02	4.09	4.17
-5	Watts (Capacity)	1600	1360	1120	882
	Watts (Power)	597	625	652	680
	Amps	3.99	4.08	4.18	4.28
0	Watts (Capacity)	2010	1730	1440	1160
	Watts (Power)	641	686	732	777
	Amps	4.14	4.31	4.48	4.65
5	Watts (Capacity)	2480	2150	1820	1490
	Watts (Power)	676	742	808	874
	Amps	4.30	4.56	4.82	5.08
7.2	Watts (Capacity)	2710	2360	2000	1650
	Watts (Power)	688	764	841	918
	Amps	4.37	4.68	4.99	5.29
10	Watts (Capacity)	3020	2640	2250	1870
	Watts (Power)	701	791	882	973
	Amps	4.47	4.84	5.21	5.58
15	Watts (Capacity)	3630	3180	2740	2290
	Watts (Power)	717	835	954	1070
	Amps	4.66	5.15	5.65	6.14

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.857868E+03	5.072078E+02	3.619099E+00	
C2	1.157523E+02	-3.633365E+00	-1.712916E-02	
C3	-2.826057E+01	4.398161E+00	1.740749E-02	

C4	1.623226E+00	-3.996334E-01	-8.535140E-04	
C5	-9.173181E-01	3.839269E-01	1.616381E-03	
C6	-4.536610E-04	2.590739E-03	-7.422300E-06	
C7	0.000000E+00	0.000000E+00	0.000000E+00	
C8	-1.066376E-02	6.982471E-03	3.621880E-05	
C9	-1.300000E-10	2.750000E-06	-8.780000E-09	
C10	3.020000E-06	-1.670000E-05	5.850000E-08	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature